

iStart

Advanced Low Voltage Soft Starter 17-1100A, 208-690V

The iStart is Solcon's most advanced soft starter, with built-in bypass and 2 or 3-phase control. It incorporates enhanced soft-start and soft-stop characteristics, to provide the best solution for a wide range of applications. The comprehensive motor protection package guarantees long term reliability while the built-in bypass ensures excellent performance all in a small, versatile design.



Features

- > Universal Interchangeable Control Module
- > Multi-language user interface
- > Real-time, Online, 99 event and Trip Log (Including Currents, Voltages)
- > Optimized for High Efficiency Motors (IE3)
- > 2-Phase Mode for On-site Phase Fault Operation
- > Basic, Professional and Expert Set-up Menus
- > User Defined Metering and Monitoring of 3 Phase Voltages, 3 Phase Currents and Power Factor
- > USB Interface for Setup and Software Updates
- > Option Cards include Analogue Output Including Thermistor, Three Thermal Sensors, Motor Insulation Monitor
- > Auto Reset for Selected Faults
- > 3 Thermistor inputs
- > Frequency Auto Tracking 45-65 Hz
- > Inline and Inside Delta Connection
- > 3 Current Transformers
- > Economical 2-phase Control Units Available

Comprehensive Protection Package

- > Under voltage
- > Phase sequence
- > Sheer-pin current
- > Under current
- > Overload classes (IEC, NEMA)
- > Current imbalance
- > Ground fault
- > Excessive number of starts
- > Excessive starting time
- > Soft starter over temperature
- > Programmable external fault
- > Phase loss
- > Delta wrong Connection Alarm

Solcon Industries Ltd. is a dynamic power-electronics company that has been at the forefront of design, development and manufacturing of industrial electronic motor starting and control systems for over 40 years. We utilize advanced technology with leading edge designs based on continuous field research, testing and development. Solcon offers a complete range of Soft Starters, including both Low Voltage and Medium Voltage units, for a range of applications.



Standard Models | 17-1100 A

| Starter Type | Frame Size | Motor KW | Motor KW | Motor KW | Dimensions (mm) & Weight | | | |
|-----------------|---------------|-------------|-------------|-------------|--------------------------|-----|-----|------|
| | | 400V | 480V | 600V | W | H | D | Kg |
| iStart 17 | A | 11 | 13 | 16 | 122 | 245 | 147 | 3.2 |
| iStart 31 | | 19 | 23 | 29 | 122 | 245 | 147 | 3.2 |
| iStart 44 | | 27 | 33 | 41 | 122 | 245 | 147 | 3.2 |
| iStart 61 | | 38 | 46 | 57 | 122 | 245 | 147 | 3.2 |
| iStart 72 | B | 45 | 54 | 67 | 132 | 275 | 208 | 5.2 |
| iStart 85 | | 53 | 64 | 80 | 132 | 275 | 208 | 5.2 |
| iStart 95 | | 59 | 71 | 89 | 132 | 275 | 208 | 5.2 |
| iStart 105 | C | 65 | 79 | 98 | 175 | 388 | 234 | 10.9 |
| iStart 145 | | 90 | 108 | 136 | 175 | 388 | 234 | 10.9 |
| iStart 170 | | 106 | 127 | 159 | 175 | 388 | 234 | 10.9 |
| iStart 205 | | 128 | 153 | 192 | 175 | 388 | 234 | 10.9 |

| Starter Type | Frame Size | Motor KW | Motor KW | Motor KW | Dimensions (mm) & Weight | | | |
|-----------------|---------------|-------------|-------------|-------------|--------------------------|-------|-----|----|
| | | 400V | 480V | 690V | W | H | D | Kg |
| iStart 230 | D | 143 | 172 | 247 | 365 | 554 | 275 | 37 |
| iStart 310 | | 160 | 230 | 333 | 365 | 554 | 275 | 37 |
| iStart 350 | E | 200 | 260 | 376 | 365 | 554 | 275 | 37 |
| iStart 430 | | 250 | 320 | 462 | 365 | 643 | 284 | 37 |
| iStart 515 | G | 290 | 385 | 553 | 480 | 791 | 302 | 56 |
| iStart 590 | | 330 | 440 | 634 | 480 | 791 | 302 | 56 |
| iStart 690 | | 400 | 515 | 742 | 480 | 791 | 302 | 56 |
| iStart 720 | H | 415 | 538 | 774 | 510 | 791 | 305 | 60 |
| iStart 850 | | 500 | 636 | 914 | 510 | 791 | 305 | 60 |
| iStart 960 | I | 560 | 718 | 1032 | 558 | 814.6 | 316 | 85 |



Solbrake DC Injection Brake

Solcon's soft starters can be paired with the Solbrake; an electronic brake that provides fast, smooth, frictionless braking of standard motors by injecting controlled DC current into the motor windings after the line contactor has opened. This DC current induces a stationary magnetic field which exerts a braking torque on the rotor.

Soft Start & Soft Stop

- > Acceleration control
- > Current limit start
- > 6 adjustable curves for pumps, generators standard and torque controlled applications
- > Soft stop
- > Kick start
- > Restart delay (3 sec)

Meeting your needs across industries



For More Information

www.solcon.com | contact@solcon.com

